

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

In the Matter of )  
Comcast Cable Communications, LLC, )  
on behalf of its subsidiaries and affiliates )  
 )  
For Determination of Effective Competition in: )  
Mountain View, CA (CA0906) )  
Palo Alto, CA (CA1437)(CA1631) )

CSR No. \_\_\_\_\_

To: Chief, Media Bureau

**PETITION FOR SPECIAL RELIEF**

Comcast Cable Communications, LLC, on behalf of its subsidiaries and affiliates (“Comcast”), pursuant to Sections 76.7 and 76.907 of the Commission’s rules,<sup>1</sup> requests that the Commission find that Comcast faces “effective competition” in the above-referenced California franchise areas (the “Franchise Areas”).

The Communications Act of 1934, as amended (the “Act”), and the Commission’s rules provide that cable television rates may be regulated only in the absence of effective competition.<sup>2</sup> Cable operators are entitled to demonstrate that effective competition exists on a franchise-by-franchise basis.<sup>3</sup> When a cable operator demonstrates that effective competition exists within a franchise area, cable rates in the affected area are no longer subject to regulation.<sup>4</sup>

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<sup>1</sup> 47 C.F.R. §§ 76.7 and 76.907.

<sup>2</sup> 47 U.S.C. § 543(a)(2); 47 C.F.R. § 76.905(a).

<sup>3</sup> 47 C.F.R. § 76.907.

<sup>4</sup> See *Implementation of Sections of the Cable Television Consumer Protection and Competition Act of 1992, Rate Regulation*, 8 FCC Rcd. 5631, 5664-5665 (1993) (“Rate Order”).

Under the “competing provider” test set forth in Section 623(1)(1)(B) of the Act and Section 76.905(b)(2) of the Commission’s rules (the “Competing Provider Test”), a cable system will be deemed subject to effective competition if:

- (i) the franchise area is served by at least two unaffiliated multichannel video programming distributors (“MVPDs”), each of which offers comparable programming to at least 50 percent of the households in the franchise area; and
- (ii) the number of households subscribing to multichannel video programming other than the largest MVPD exceeds 15 percent of the households in the franchise area.<sup>5</sup>

As demonstrated below, the Competing Provider Test is easily satisfied in each of the Franchise Areas – Mountain View and Palo Alto -because two unaffiliated DBS providers serve over 50 percent of the Franchise Area’s households with programming comparable to Comcast, and the aggregate penetration rate reported for all “competing providers” far exceeds the 15 percent threshold in each of the Franchise Areas.<sup>6</sup>

## **I. THE COMPETING PROVIDER TEST IS SATISFIED IN EACH OF THE FRANCHISE AREAS**

The two prongs of the Competing Provider Test are straightforward and objective. Both prongs of this test are clearly satisfied in each of the Franchise Areas.

### **A. Multiple Unaffiliated MVPDs Offer Programming Comparable to Comcast to Over 50 Percent of the Households in the Franchise Areas.**

The first prong of the Competing Provider Test requires that a franchise area must be served by “at least two unaffiliated multichannel video programming distributors...”<sup>7</sup> This

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<sup>5</sup> 47 U.S.C. § 543(1)(1)(B)(i) and (ii); 47 C.F.R. § 76.905(b)(2)(i) and (ii).

<sup>6</sup> As explained below, the competing penetration figure includes subscribers from local MVPD competitor AT&T, as well as from the two major DBS providers.

<sup>7</sup> 47 U.S.C. § 543(1)(1)(B)(i); 47 C.F.R. § 76.905(b)(2)(i). Section 602 of the Communications Act of 1934, as amended, defines “multichannel video programming distributors” to include cable operators, as well as DBS and MMDS providers. *See* 47 U.S.C. § 522(13).

requirement is easily satisfied, because the two major direct broadcast satellite providers (DirecTV, Inc. and Dish Network, Corp.) (“DBS Providers”) are both unaffiliated with Comcast and both “offer” programming that is comparable to Comcast to more than 50 percent of the households in Comcast’s Franchise Areas.

Service of an MVPD is deemed “offered” under the Competing Provider Test when it is both *technically* and *actually* available.<sup>8</sup> The Commission has determined that DBS service is presumed to be “technically available” throughout the country due to its nationwide satellite footprint.<sup>9</sup> Comcast’s Franchise Areas are well within the satellite footprint of DirecTV and Dish Network. Thus, both DirecTV and Dish Network are “technically available” in the Franchise Areas.

DBS service is presumed to be “actually available” if households in a franchise area are made “reasonably aware” that the service is available.<sup>10</sup> The Commission has stated that “a party may use evidence of penetration rates in the franchise area (the second prong of the competing provider test ... ) coupled with the ubiquity of DBS services to show that consumers are reasonably aware of the availability of DBS service.”<sup>11</sup> The same reasoning applies here.

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<sup>8</sup> *Rate Order* at ¶ 29.

<sup>9</sup> See *MediaOne of Georgia, Inc; Petition for Revocation of the Certification of Gwinnett County, Georgia*, 12 FCC Rcd. 19406, ¶ 5 n.16 (1997) (citing *Rate Order* at 5660-5661).

<sup>10</sup> See *Rate Order* at ¶ 32 (citations omitted). See also *Charter Communications, LLC d/b/a Charter Communications Petition for Determination of Effective Competition in Fourteen North Carolina Communities, et al*, 19 FCC Rcd. 7003, ¶ 4 (2004).

<sup>11</sup> *Comcast Cable Communications, LLC Petition for Determination of Effective Competition in Various Michigan Communities*, 23 FCC Rcd. 9595, ¶ 5 (2008), citing *Mediacom Illinois LLC et al., Eleven Petitions for Determination of Effective Competition in Twenty-Two Local Franchise Areas in Illinois and Michigan*, 21 FCC Rcd. 1175 (2006) (“*Comcast – Various Michigan Communities*”). Thus, the Commission has not required the production of advertising to demonstrate that households in the franchise area are “reasonably aware” of the availability of DBS service. See *Bright House Networks, LLC Petition for Determination of Effective Competition (Lake Alfred and Dundee FL)*, 22 FCC Rcd. 4390, ¶ 6 (2007) (“Over more than ten years, we have made hundreds of findings that households in particular franchise areas are

DirecTV and Dish Network are among the largest MVPDs in the nation.<sup>12</sup> With approximately 33.7 million subscribers nationwide,<sup>13</sup> comprising approximately 33.7 percent of all MVPD subscribers,<sup>14</sup> ubiquitous advertising, and the substantial DBS penetration figures in the Franchise Areas, it is clear that consumers in the Franchise Areas are “reasonably” aware of the availability of DBS competitors.<sup>15</sup>

The Competing Provider Test also requires that the programming offered by the competing providers must be “comparable” to the programming offered by the cable operator.<sup>16</sup> The Commission’s rules define comparable programming as “at least 12 channels of video programming, including at least one channel of nonbroadcast service programming.”<sup>17</sup> The Commission has repeatedly recognized that the DBS Providers offer comparable programming

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reasonably aware that they may purchase DBS services based on localized evidence. These accumulated showings amount to substantial evidence that households in all franchise areas are reasonably aware that they may purchase DBS services. In at least one earlier reported decision, we found households in a franchise area to be reasonably aware that they may purchase DBS service solely based on evidence of DBS's nationwide growth and local subscriptions, without reference to advertising or other promotion.” (*Bright House Networks – Florida*).

<sup>12</sup> See *Thirteenth Annual Assessment of the Status of Competition in the Market for the Delivery of Video Programming*, MB Docket No. 06-189, FCC 07-206, ¶ 76 (rel. Jan. 16, 2009).

<sup>13</sup> See Press Release, DirecTV, *DirecTV Announces Third Quarter 2011 Results* (Nov. 3, 2011) (reporting that, as of Sept. 30, 2011, DirecTV (US) had 19.76 million subscribers), available at <http://investor.directv.com/releasedetail.cfm?ReleaseID=620542>; Press Release, DISH Network, *DISH Network Reports Third Quarter 2011 Financial Results* (Nov. 7, 2011) (reporting that, as of Sept. 30, 2011, Dish Network had approximately 13.945 million subscribers), available at <http://dish.client.shareholder.com/releasedetail.cfm?ReleaseID=621211>.

<sup>14</sup> Press Release, SNL Kagan’s *U.S. Multichannel Subscribers 4th Quarter 2010 Results*, SNL Kagan, March 15, 2011, available at <http://www.snk.com/InTheMedia.aspx> (reporting approximately 100.1 million video subscribers in the U.S.).

<sup>15</sup> See, e.g., *Comcast – Various Michigan Communities* at ¶ 5; *Bright House Networks – Florida* at ¶ 6.

<sup>16</sup> See 47 U.S.C. § 543(1)(1)(B)(i); 47 C.F.R. § 76.905(b)(2)(i).

<sup>17</sup> 47 C.F.R. § 76.905(g).

to Comcast under the Commission's Competing Provider Test.<sup>18</sup> Each of the DBS Providers offer well over 100 video channels, most of which are non-broadcast services.<sup>19</sup> And, as shown in the attached channel line-up, Comcast's programming service offerings in the Franchise Areas are substantially similar to the DBS programming services.<sup>20</sup>

Based on the above facts, Comcast has satisfied the first prong of the Competing Provider Test.

**B. The Competing Providers Serve Greater Than 15 Percent of the Households In Comcast's Franchise Areas.**

The second prong of the Competing Provider Test requires that the subscriber base of competing MVPDs (other than the largest MVPD) exceeds 15 percent of franchise area households. The Commission's rules provide that once the first prong of the Competing Provider Test is satisfied (as it is with the DBS service offerings in this case) the subscribers of *all* qualifying MVPDs count toward the 15% penetration figure necessary for a determination of effective competition (even if they are not available themselves to more than 50% of local households).<sup>21</sup> AT&T offers competing cable service in the communities in each of the Franchise Areas.<sup>22</sup> Accordingly, the Competing Provider subscriber tallies presented in this

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<sup>18</sup> See, e.g., *Comcast Cablevision of Maryland, Inc., Petitions for Determination of Effective Competition (Charles County, MD)*, 19 FCC Rcd. 7130, ¶ 4 (2004) ("We find that the programming of DBS providers satisfies the Commission's program comparability criterion because DBS providers offer more than 12 channels of video programming, including more than one non-broadcast channel.").

<sup>19</sup> See Channel Line-ups of DirecTV and Dish Network, attached hereto as Exhibit 1.

<sup>20</sup> See Comcast Channel Line-up, attached hereto as Exhibit 2.

<sup>21</sup> See 47 C.F.R. § 76.905(f) (Emphasis added); see also *Time Warner Entertainment Co., L.P. et al. v. FCC*, 56 F.3d 151 (D.C. Cir. 1995) (holding that the subscribers of all MVPDs, other than the largest MVPD, may be aggregated to satisfy the 15 percent threshold).

<sup>22</sup> AT&T's "comparable" channel lineup is set forth in Exhibit 3.

Petition for the Franchise Areas include subscribers from AT&T,<sup>23</sup> as well as from the two major DBS providers. The resulting penetration figures easily exceed the 15% threshold in each of the Franchise Areas:

Mountain View	21.26%
Palo Alto	21.68%

Because DBS Providers track their subscribers according to the zip codes where each subscriber resides (rather than by political jurisdiction), Comcast relied on ZIP+4 codes associated with each of the Franchise Areas to determine the number of local DBS subscribers. The Commission has previously accepted the use of a ZIP+4 analysis as “reasonable and sufficiently reliable for purposes of determining the presence of effective competition,”<sup>24</sup> and has stated its preference for this approach.<sup>25</sup>

To determine the relevant ZIP+4 codes for the Franchise Areas, Comcast contacted Media Business Corp. (“MBC,” previously known as “SkyTrends”). MBC has developed a process to accurately identify the ZIP+4 codes that correspond with the political boundaries of a particular community. This process utilizes enhanced mapping software that correlates ZIP+4 codes with the U.S. Census Department’s “block group” level households. The “block group” measurement is the most precise Census tool available to measure households within a very

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<sup>23</sup> Comcast obtained AT&T’s subscribership data for the Franchise Areas directly from AT&T, and such data was provided to Comcast on the condition that Comcast seek confidential treatment with respect to such information. Thus, Comcast submits AT&T’s subscriber figures for the Franchise Areas as **Confidential Exhibit 4** to this Petition (with a redacted version attached).

<sup>24</sup> See *Cable One, Inc. Petition for Determination of Effective Competition in Pocatello, Idaho*, 18 FCC Rcd. 12792, ¶ 8 (2003), quoting *Falcon Cable Systems II, a California Limited Partnership, d/b/a Charter Communications Petition for Determination of Effective Competition in Twelve Oregon Cities*, 17 FCC Rcd. 4648 (2002).

<sup>25</sup> See Public Notice, “Commission Announces New Standards for Showings of Effective Competition For Cable Service,” 23 FCC Rcd. 12067 (2008).

small geographical area. With this software, MBC was able to identify the ZIP+4 codes that lie within each of the Franchise Areas.<sup>26</sup>

Comcast next provided all of the ZIP+4 codes for the Franchise Areas to the Satellite Broadcasting and Communication Association (“SBCA”). SBCA is the national trade association representing the two major DBS Providers, and it has assumed the responsibility for compiling subscribership data and responding to data requests from cable operators and franchising authorities engaged in effective competition proceedings. The DBS subscriber numbers reported in the attached Effective Competition Tracking Reports (“ECTR”) from SBCA reflect the total DBS subscribers within the individual ZIP+4 codes associated with each of the Franchise Areas.<sup>27</sup>

The Competing Provider Test also requires that the petitioning cable operator be the largest MVPD in the franchise area. To meet this requirement, Comcast compared the subscribership figures reported by SBCA and AT&T with its own subscribership, and was able to confirm that its own subscribership exceeded DBS and exceeded AT&T subscribership in each of the Franchise Areas.

To determine whether the combined DBS and AT&T subscribership exceeds the statutorily mandated 15 percent threshold in the Franchise Areas, Comcast compared the Competing Providers’ combined subscribership to the most recent U.S. Census occupied

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<sup>26</sup> See Letter from MBC (explaining ZIP+4 methodology), attached hereto as Exhibit 5.

<sup>27</sup> See **Confidential Exhibit 6**. This exhibit includes all of the relevant ZIP+4 data relied on in the Petition and the total ZIP+4-based DBS subscribership for each of the Franchise Areas. Comcast is providing a redacted version of this exhibit, which excludes the DBS subscribership numbers corresponding to the Franchise Areas, in order to present the *aggregate* DBS and AT&T subscriber penetration figures and still maintain the confidential nature of the AT&T subscribership tallies for these communities.

household unit figures for each community.<sup>28</sup> This comparison yields the aggregate penetration rates for Competing Providers in each of the Franchise Areas.

As detailed in **Confidential Exhibit 8**, the *aggregate* subscriber penetration rates for the DBS Providers and AT&T in the Franchise Areas, easily exceed the 15 percent threshold.<sup>29</sup> Accordingly, Comcast meets the second prong of the Competing Provider Test in each of the Franchise Areas.

Because Comcast meets both prongs of the Competing Provider Test in the Franchise Areas, it faces effective competition in each of the Franchise Areas.

### CONCLUSION

Comcast has demonstrated herein that it is subject to effective competition in each of the two Franchise Areas under the Competing Provider Test. Based on the evidence presented herein, Comcast respectfully requests that the Media Bureau issue an order acknowledging the

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<sup>28</sup> See Exhibit 7.

<sup>29</sup> See **Confidential Exhibit 8**. This exhibit includes the combined DBS and AT&T subscribership and penetration figures for the Franchise Areas. As noted above, at AT&T's request, Comcast is seeking confidential treatment with respect to the AT&T subscribership data for the Franchise Areas. Accordingly, Comcast is providing a redacted version of this exhibit, which excludes the DBS and AT&T subscribership numbers associated with the Franchise Areas, in order to present the *aggregate* DBS and AT&T subscriber penetration figures and still maintain the confidential nature of the AT&T subscribership figures for these communities.

presence of effective competition in each of the two California Franchise Areas as of filing date of this Petition.

Respectfully submitted,

**Comcast Cable Communications, LLC**  
**on behalf of its subsidiaries and affiliates**

By:   
Frederick W. Giroux

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April 11, 2012

Its Attorneys

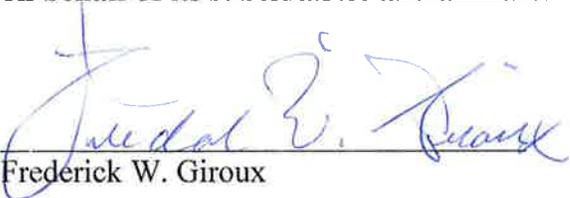
**CERTIFICATION PURSUANT TO 47 C.F.R. § 76.6(a)(4)**

The below-signed signatory has read the foregoing Petition for Special Relief, and to the best of my knowledge, information and belief formed after reasonable inquiry, it is well grounded in fact and is warranted by existing law or a good faith argument for the extension, modification or reversal of existing law; and is not interposed for any improper purpose.

Respectfully submitted,

**Comcast Cable Communications, LLC**  
**on behalf of its subsidiaries and affiliates**

By:

  
Frederick W. Giroux

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April 11, 2012

**DECLARATION OF WARREN FITTING**

I, Warren Fitting, declare, under penalty of perjury that:

1. I am the Director of Rate Regulation for Comcast Cable Communications, LLC ("Comcast").
2. I have read the foregoing Petition for Special Relief ("Petition") and am familiar with the contents thereof and the matters referred to therein.
3. I have reviewed Comcast's respective cable subscriber numbers for the Franchise Areas at issue in this Petition, the DBS subscriber numbers provided by SBCA for the individual Franchise Areas, and the AT&T subscriber numbers as described in the Petition. Comcast is the largest multichannel video program provider in each of the Franchise Areas –Mountain View and Palo Alto.
4. The facts contained within the Petition are true and correct to the best of my knowledge, information and belief.

April 3, 2012  
Date

Warren D. Fitting  
Warren Fitting

**EXHIBIT 1**



# PREMIER package

285+ digital channels

Print channels for ZIP Code 17303 (No locals available)

PRINT

## EN ESPAÑOL

ONCE México*	447	Y-me*	440	mun2	410
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## NATIONALS

3net (HD)	HD 107	Disney Channel (West)	291	Hope*	368	RFD TV	345
A&E	HD 265	Disney XD	HD 292	INSP	364	ReetzChannel	238
ABC Family	HD 311	Documentary Channel	267	ION Television	305	SOAPnet	262
American Movie Classics (AMC)	HD 254	E! Entertainment	236	ION Television West	347	Science Channel	HD 284
Animal Planet	HD 282	ESPN	HD 206	Independent Film Channel (IFC)	559	ShopNBC	316
Audience Network	HD 239	ESPN 3D (HD)	HD 106	Investigation Discovery (ID)	285	Speed Channel	HD 607
BBC America	264	ESPN2	HD 209	Jewelry Television	313	Spike	HD 241
BYU TV	374	ESPNNEWS	HD 207	Jewish Life Television*	366	Style	235
Big Ten Network	HD 610	ESPNNU	HD 208	Lifetime	HD 252	Syfy Channel	HD 244
Biography Channel	HD 266	EWTN	370	Lifetime Movie Network	253	TBS	HD 247
Black Entertainment Television (BET)	HD 329	Enlace Christian Television*	448	LinkTV	375	TCT Network	377
Bloomberg Television	353	FUEL TV	HD 618	Logo	272	TNT	HD 245
Boomerang	298	FX	HD 248	MHz WORLDVIEW*	2183	TV Guide Network	273
Bravo	HD 237	Food Network	HD 231	MLB Network	HD 213	TV Land	304
CBS Sports Network	HD 613	Fox Business Network	HD 359	MSNBC	HD 356	TV One	328
CCTV-9	2053	Fox Movie Channel	258	MTV	HD 331	TeenNick	303
CMT	HD 327	Fox News Channel	HD 360	MTV2	333	Tennis Channel	HD 217
CNBC	HD 355	Free Speech TV*	348	Military Channel	287	The Hub	294
CNBC World	357	Fuse	339	NASA TV	289	The Learning Channel	HD 280
CNN	HD 202	GEM NET (Global Expansion Media Network)*	2068	NBA TV	HD 216	The Sportsman Channel	605
CSPAN 1	350	GOD TV	365	NFL Network	HD 212	The Word Network	373
CSPAN 2	351	GSN, the network for games	233	NHL Network	HD 215	Travel Channel	HD 277
Cartoon Network (East)	HD 296	Galavision	404	NRB	378	Trinity Broadcasting Network (TBN)	372
Cartoon Network (West)	297	Go!TV HD English	HD 620	Nat Geo WILD	283	TruTV	246
Centric	330	Golden Eagle Broadcasting*	363	National Geographic Channel	HD 276	Turner Classic Movies (TCM)	256
Chiller	257	Golf Channel	HD 218	Nick Jr.	301	USA Network	HD 242
Christian Television Network (CTN)	376	Gospel Music Channel	338	Nickelodeon (East)	HD 299	Univision	402
Church Channel	371	Great American Country	326	Nickelodeon (West)	300	VH1	HD 335
Clo	308	H2	271	Nicktoons Network	302	VH1 Classic	337
Comedy Central	HD 249	HD Theater	HD 281	OWN	279	Versus	HD 603
Cooking Channel	232	HDNet	HD 306	Ovation TV	274	WE: Women's Entertainment	260
Current TV	358	HITN*	438	Oxygen	251	WGN America	HD 307
DIY Network	230	Hallmark Channel	HD 312	PBS	0	Weather Channel	HD 362
Daystar	369	Headline News	204	PBS Kids Sprout	295	World Harvest Television	367
Discovery Channel	HD 278	History Channel	HD 269	Planet Green	HD 286	n3D	HD 103
Discovery Fit & Health	261	Home & Garden Television (HGTV)	HD 229	Pursuit Channel	608		
Disney Channel (East)	HD 290	Home Shopping Network	240	QVC	275		

## PREMIUMS

5STARMAX HD East	HD 520	FLIX ON DEMAND®	1557	MoreMAX	HD 517	STARZ® ON DEMAND	1527
@MAX HD East	HD 523	FOX Deportes	624	Outdoor Channel	606	Showtime Beyond HD	HD 550
ActionMAX HD	HD 519	Flix	557	SHOWTIME	HD 545	Showtime Next HD	HD 551
Cinemax East	HD 515	Fox Soccer Channel	HD 619	SHOWTIME (West)	HD 546	Showtime Women HD	HD 552
Cinemax West	HD 516	Go!TV	620	SHOWTIME 2	HD 547	Sundance Channel	558
ENCORE (East)	HD 535	HBO (East)	HD 501	SHOWTIME Extreme	HD 549	Sundance ON DEMAND	1558
ENCORE (West)	536	HBO (West)	HD 504	SHOWTIME ON DEMAND	1545	THE MOVIE CHANNEL™ ON DEMAND	1554
ENCORE Action	541	HBO 2 (East)	HD 502	SHOWTIME Showcase	HD 548	TMC Xtra HD East	HD 556
ENCORE Drama	540	HBO 2 (West)	505	STARZ (East)	HD 527	TYG - The Interactive Horseracing Network	602
ENCORE Family	542	HBO Comedy HD	HD 506	STARZ (West)	HD 528	The Movie Channel (East)	HD 554

REDACTED - FOR PUBLIC INSPECTION

PREMIUMS							
ENCORE Love	537	HBO Family (East)	HD 507	STARZ Cinema HD	HD 531	The Movie Channel (West)	555
ENCORE Suspense	539	HBO Family (West)	508	STARZ Comedy HD	HD 526	ThrillerMAX HD	HD 522
ENCORE Westerns	538	HBO Latino	HD 511	STARZ Edge	HD 529	WMAX HD East	HD 521
ENCORE® ON DEMAND	1535	HBO Signature	HD 503	STARZ InBlack	HD 530		
ESPN Classic Sports	614	HBO Zone HD	HD 509	STARZ Kids & Family HD	HD 525		

REGIONAL SPORT NETWORKS							
Altitude Sports & Ent. 681	HD 681	FS Arizona	HD 686	FS South Plus (2)	HD 648	ROOT SPORTS Rocky Mountain	HD 683
Altitude Sports Alternate 682	HD 682	FS Cincinnati	HD 661	FS Southwest	HD 676	SportSouth	HD 649
CSN Bay Area	HD 696	FS Detroit	663	FS Southwest Plus	HD 677	SportSouth Plus	HD 650
CSN Bay Area Alternate 697	HD 697	FS Detroit Plus	HD 664	FS West	HD 692	SportsNet New York 639	HD 639
CSN California	HD 698	FS Florida	HD 654	MASN 640	HD 640	SportsTime Ohio 662	HD 662
CSN California alt 699	699	FS Florida Plus	HD 655	MSG Plus 635	HD 635	Sun Sports	HD 653
CSN Chicago Alt. #2	667	FS Midwest	HD 671	Madison Square Garden 634	HD 634	Sun Sports Plus	HD 656
CSN MidAtlantic Alt.	HD 643	FS North	HD 668	NESN 628	HD 628	Yankee Ent. & Sports (YES) 631	HD 631
CSN MidAtlantic 642	HD 642	FS Ohio	HD 660	Prime Ticket	HD 694		
CSN New England 630	HD 630	FS South	HD 646	ROOT SPORTS Northwest	HD 687		
Comcast SportsNet Chicago 665	HD 665	FS South Plus	HD 647	ROOT SPORTS Pittsburgh	HD 659		

SATELLITE RADIO							
SONICTAP: 60's Revolution	803	SONICTAP: College Rock	831	SONICTAP: Italian Bistro Blend	881	SONICTAP: Regional Mexican	873
SONICTAP: 70's Hits	804	SONICTAP: Dance	859	SONICTAP: Italian Contemporary	882	SONICTAP: Retro Disco	845
SONICTAP: 8-Tracks	840	SONICTAP: Familiar Favorites	880	SONICTAP: Jazz	852	SONICTAP: Rock en Espanol	878
SONICTAP: 80's Hits	805	SONICTAP: Fiesta Tropical	870	SONICTAP: Latin Hits	871	SONICTAP: Salsa	874
SONICTAP: 90's Hits	806	SONICTAP: Flashback/New Wave	839	SONICTAP: Latin Jazz	879	SONICTAP: Showtunes	823
SONICTAP: Adult Alternative	832	SONICTAP: Folk Rock	813	SONICTAP: Light Classical	866	SONICTAP: Silky Soul	843
SONICTAP: Adult Contemporary	821	SONICTAP: Full Metal Jacket	830	SONICTAP: Love Songs	819	SONICTAP: Silver Screen	822
SONICTAP: Alternative	834	SONICTAP: Gospel Glory	827	SONICTAP: Malt Shop Oldies	802	SONICTAP: Singer-Songwriters	836
SONICTAP: Bailamos!	869	SONICTAP: Great Standards	855	SONICTAP: Mariachi	876	SONICTAP: Smooth Jazz	851
SONICTAP: Be-Tween	867	SONICTAP: Groove Lounge	824	SONICTAP: Metro Blend	853	SONICTAP: Soft Hits	849
SONICTAP: Beautiful Instrumentals	820	SONICTAP: Hair Guitar	829	SONICTAP: Modern Country	814	SONICTAP: Spike	841
SONICTAP: Big Band/Swing	801	SONICTAP: Hallelujah	828	SONICTAP: Modern Workout	860	SONICTAP: SubTerranean	858
SONICTAP: Bluegrass	812	SONICTAP: Hit Country	809	SONICTAP: Musica De Las Americas	872	SONICTAP: Symphonic	864
SONICTAP: Blues	854	SONICTAP: Holidays & Happenings	815	SONICTAP: New Age	856	SONICTAP: The Boombox	846
SONICTAP: Carnaval Brasileiro	877	SONICTAP: Honky Tonk Tavern	811	SONICTAP: Old School Funk	844	SONICTAP: The Playground	868
SONICTAP: Classic Hits Blend	837	SONICTAP: Hot Jamz	825	SONICTAP: PUMP!	861	SONICTAP: The Spirit	826
SONICTAP: Classic Jazz Vocal Blend	850	SONICTAP: Hottest Hits	818	SONICTAP: Piano	865	SONICTAP: Today's Hits	816
SONICTAP: Classic R&B	842	SONICTAP: Hurbano	875	SONICTAP: Rat Pack	807	SONICTAP: Traditional Country	808
SONICTAP: Classic Rock	833	SONICTAP: Hype	847	SONICTAP: Reality Bites	838	SONICTAP: Tranquility	884
SONICTAP: Classic Rock Workout	862	SONICTAP: Ink'd	835	SONICTAP: Red, Rock and Blues	810	SONICTAP: Y2k Hits	817
SONICTAP: Coffeehouse Rock	848	SONICTAP: Irish	883	SONICTAP: Reggae	863	SONICTAP: Zen	857

LOCALS							
WGAL (NBC)	HD 8	WHTM (ABC)	HD 27	WLYH (CW)	15	WPMT (FOX)	HD 43
WHP (CBS)	HD 21	WITF (PBS)	HD 33				

\*The following channels require a special dish or equipment: MHz, GEM NET, Hope Channel, JLTV, Once, HITN, V-Me, Enlace, Golden Eagle Broadcasting, and Free Speech TV. Please call 1-800-531-5000 for more information.



# Channels & Packages

## America's Top 120 with HD

America's Top 120 includes channels listed below. HD indicates channels available in both standard and high definition, except where noted as HD only.

A&E	118	ION (E)	216
ABC Family	100	ION (W)	217
ALIVE	218	JTV	227
ANGEL	262	LIPE	105
ANGL2	266	MALL	180
BTV	960Z	MTV	161
BUY!	221	MTV2	170
TOON	178	NICK	171
TOONW	177	NICKN	181
CCTV-E	884	NICKN	181
CNEW	265	REELZ	239
CHURCH	268	SHOP	224
CMT	166	SHOP	224
CNBC	208	SHO	224
CNN	208	SNL	257
CNN	208	SonLife Broadcasting Network	188
COMEDY	107	SPRKE	188
CSPN2	211	SYFY	122
DYSTR	263	TBS	138
DISC	182	TLC	183
DISE	172	TNT	136
DISW	173	TRV	136
DOC	197	TVGAM	136
EI	114	TVGN	117
ESPN	140	TVLND	106
ESPN2	144	USA	105
ESPNS	142	VH1	182
ESPRU	141	TWC	214
FOOD	110	TWC	214
FOXWS	205	Plus DISHD Music Channels	930-901
FX	136	Christian	975
GEMS	229	Country	975
HONET	362	Electronic & Dance	935-932
HGTV	112	Family & Kids	935-932
HIST	202	Hip-Hop/R&B	978
HLN	202	Jazz & Blues	962, 967, 968, 978
HRTV	604	Latin & International	981
HSN	84	Pop	981
HSN2	226	Rock	940, 935, 936, 965
ICTV	230	Standards	934, 935, 936, 937, 938, 939, 940, 941, 942
INSP	265	Inspiration Network	964, 974

**Local Networks** channel range 2-70

abc CBS FOX

Just across the street from you. For more information, visit us online at [www.localnetworks.com](http://www.localnetworks.com)

### Public Interest Channels

ALMA	943	KBS	989
BBY!	940	KBS World	989
BYUTV	9403	LINK	9410
OTN	9407	LINK	9410
ARTS	9408	PNTGN	9406
CSPAN	9408	PNTGN	9406
CSPAN2	9408	PNTGN	9406
EWTN	281	IMPCT	9387
FSTV	9402	UCTV	9412
HHS	9402	UCTV	9412
HRTN	9402	UCTV	9412

BDL - Channels in bold are some of our most popular channels.  
 SAP - FREE Spanish audio feed available. Audio available on select HD channels. Not available on feeds for channels HD.  
 HD - Channels are broadcast in both SD & HD unless indicated as "HD only". You must subscribe to the HD feed to receive the HD feed.  
 No more than an HD feed can be viewed on a standard definition TV. All programming subject to change without notice.

## America's Top 230 with HD

America's Top 230 includes all of America's Top 130 plus the channels listed below. HD indicates channels available in both standard and high definition.

AMC	130	AMC	130
APL	130	Animal Planet	130
BBCA	135	BBC America	135
BET	135	BET	135
BIG10	439	Big Ten Network	439
BRAVO	138	Bravo	138
CBSSN	152	CBS Sports Network	152
CURNT	174	Current TV	174
DISXD	174	Disney XD SAP	174
GA	273	GA	273
GLNSN	273	Galatin	273
GOLF	116	Golf Channel	116
GSN	116	GSN	116
HLMRK	131	Hallmark Channel	131
IFC	131	IFC	131
ID	109	Investigation Discovery	109
LWN	109	Lifetime Movie Network	109
MLBN	209	MLB Network	209
MSNBC	156	msnbc	156
NTBEO	156	National Geographic Channel	156
NBATV	156	NBA TV	156
NFL	157	NFL Network	157
NHLN	157	NHL Network	157
NKJR	157	Nick Jr.	157
NUVO	159	nuvoTV	159
OVATN	211	Ovation	211
OWN	189	OWN Oprah Winfrey Network	189
OXYGN	231	Oxygen	231
RFD-TV	150	RFD-TV	150
SPEED	150	SPEED	150
STYLE	181	Style	181
TNCK	181	TennNick	181
FTRAE	272	Tela Futura (E)	272
FTRAW	272	Tela Futura (W)	272
TRU	272	truTV	272
TCH	132	Turner Classic Movies	132
UNVSN	828	Univision (E)	828
UNVSW	828	Univision (W)	828
WE	239	WE TV	239
WGN	600Z	WGN America	600Z

### Plus SiriusXM Music Channels

Christian	600Z
Classical	600Z
Country	605B, 605B-001
Hip Hop/R&B	604A-604B
Jazz & Blues	600Z
Latin & World	600Z
Pop	600Z
Rock	600Z

**Attention:**  
 For the most up-to-date local listings, please visit [www.localnetworks.com](http://www.localnetworks.com)

## America's Top 250 with HD

America's Top 250 includes all of America's Top 230 plus the channels listed below. HD indicates channels available in both standard and high definition, except where noted as HD only.

BIG	118	BIG	118
BTV	209	Bloomberg Television	209
BOOV	175	Boomerang SAP	175
CHLR	199	Chiller	199
CLOO	198	Clooney	198
CBCW	207	CNBC World	207
COOK	113	Cooking Channel	113
DIY	111	DIY	111
ENCOR	340	Encore (E) - no HD	340
ENCORW	341	Encore (W) SAP	341
EACTA	343	Encore Action	343
ENRAN	347	Encore Drama	347
ENRAN	347	Encore Family	347
ELOVE	348	Encore Live	348
ENLSP	344	Encore Suspense	344
ENSTW	342	Encore Westerns	342
FOXW	206	Fox Business Network	206
FOXWU	133	Fox Movie Channel	133
FSC	406	Fox Soccer Channel	406
FUEL	338	FUEL TV	338
GMC	188	gmc	188
GAC	187	Great American Country (GAC)	187
H2	120	H2	120
HMC	120	Hallmark Movie Channel	120
HUB	120	Hub	120
MIL	370	Military Channel	370
MPLX	370	MoviePlex	370
MUN2	190	mun2	190
NATW	190	Nat Geo WILD	190
NICKT	190	Nicktoons Network	190
OTOC	390	Outdoor Channel	390
GREEN	400	Planet Green	400
SCI	190	Science	190
SPRAN	190	Sportsman Channel	190
TENN	190	Tennis Channel	190
TMC-H	340	The Movie Channel (H) SAP	340
TMCW	340	The Movie Channel (W) SAP	340
EPX3	282	The Three from EPIX SAP	282
VERA	216	Verde	216
VS	115	Veritas	115
VH1C	115	VH1 Classic	115

### Plus DISHD Music Channels

Country	923-915
Electronic & Dance	925-928
Hip-Hop/R&B	915
Jazz & Blues	915
Latin & International	925-928
Pop	924, 930, 933-936, 946
Rock	924, 930, 933-936, 946
Standards	936

For the most up-to-date local listings, please visit [www.localnetworks.com](http://www.localnetworks.com)

**EXHIBIT 2**

## XFINITY TV Channel Lineup



December 2011

Atherton/East Palo Alto  
Los Altos Hills/Menlo Park  
Palo Alto/Portola Valley  
Stanford/Woodside

REDACTED - FOR PUBLIC INSPECTION



### Digital FM Services

- 960 KOED Public
- 961 Hip-Hop and R&B
- 962 KQCB Public
- 963 KSMN Jazz
- 964 KREY 92.7 The Revolution
- 965 KJZZ Spanish
- 966 KJZZ Spanish
- 967 KPFA Variety/Berkeley
- 968 KQAY Adult Contemporary
- 969 KYLD Hip-Hop
- 970 KRTY Country
- 971 KBWF SportsRadio 95.7
- 972 KOTI Adult Contemporary
- 973 KLLC Hot AC
- 974 KISQ Urban Contemporary
- 975 KUPF Classic Rock
- 976 KSDJ Spanish
- 977 KMVQ Morning 99.7
- 978 KZST Adult Contemporary
- 979 KORG Spanish
- 980 KDI Hot AC
- 981 KQFC Classical
- 982 KBLX Urban Contemporary
- 983 KXSF Smooth Jazz
- 984 KFOG Album/Alternative
- 985 KMHX The New Mix
- 986 KITS Alternative
- 987 KREL Hip Hop
- 988 KEZR Hot AC
- 989 KSNM Classic Rock

### Music Choice®

- 901 Hit List
- 902 Hip-Hop and R&B
- 903 MC Mix/Tape
- 904 Dance/Electronic
- 905 Rap
- 906 Hip-Hop Classics
- 907 Throwback Jamz
- 908 R&B Classics
- 909 R&B Soul
- 910 Gospel
- 911 Reggae
- 912 Classic Rock
- 913 Retro Rock
- 914 Rock
- 915 Metal
- 916 Alternative
- 917 Classic Alternative
- 918 Adult Alternative
- 919 Soft Rock
- 920 Pop Hits
- 921 90's
- 922 80's
- 923 70's
- 924 Solid Gold Oldies
- 925 Party Favorites
- 926 Stage & Screen
- 927 Kidz Only
- 928 Toddler Junes
- 929 Today's Country
- 930 True Country
- 931 Classic Country
- 932 Contemporary Christian
- 933 Sounds of The Season
- 934 Soundscapes
- 935 Smooth Jazz
- 936 Jazz
- 937 Blues
- 938 Singers & Swing
- 939 Easy Listening
- 940 Classical Masterpieces
- 941 Light Classical
- 942 Musica Uroara
- 943 Pop Latino
- 944 Tropicales
- 945 Mexicana
- 946 Romances

### High-Definition

- 794 Hallmark Movie Channel HD
- 795 Lifetime HD
- 796 LMC HD
- 798 AMC HD
- 804 Investigation Discovery HD
- 805 H2 HD
- 810 BBC America HD
- 811 HSN HD
- 812 QVC HD
- 813 Home Shopping Network HD
- 814 Bloomberg HD
- 815 ESPN News HD
- 816 ESPN HD
- 817 NBA TV HD
- 818 MLB Network HD
- 819 NFL Network HD
- 820 CBS Sports Network HD
- 821 TV One HD
- 822 Science HD
- 823 National Geographic HD
- 824 National Geographic HD
- 825 National Geographic HD
- 826 HD Net
- 827 Planet Green HD
- 828 Oxygen HD
- 829 Fuse HD
- 830 Outdoor Channel HD
- 831 ESPN U HD
- 832 ESPN 2 HD
- 833 ESPN 3 HD
- 834 ESPN HD
- 835 ESPN HD
- 836 ESPN HD
- 837 ESPN HD
- 838 ESPN HD
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- 841 ESPN HD
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- 869 ESPN HD
- 870 ESPN HD

### High-Definition

- 702 KTVU HD (FOX)
- 703 KNTV HD (NBC)
- 704 KQON HD (MT)
- 705 KPX HD (CBS)
- 706 KQW HD (ND)
- 707 KQW HD (ABC)
- 708 KQW HD (PBS)
- 709 KQW HD (ABC)
- 710 KQW HD (ABC)
- 711 KQW HD (ABC)
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### International

- 305 PTV (Brazilian)
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### Mult-Latino

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- 168 Valencian
- 169 Valencian
- 170 Valencian

The Starter Package is required to view these channels  
 The Preferred Package is required to view these channels  
 You must subscribe to the individual premium service and a Digital Converter or a Digital Package that includes the premium service in order to receive the multiplex version of the same channel

ON DEMAND

Choose from thousands of FREE movies and shows.

Limited Basic\*\*

- 2 KTVU-2 (FOX)
3 KTVU-11 (NBC)
4 KRDM-4 (MY)
5 KPXP-5 (PBS)
6 KICU-36 (IND)
7 KGO-7 (ABC)
8 KTSF-26 (IND)
9 KOLED-9 (PBS)
10 KOED Plus (PBS)
11 HSN
12 KGOW-44 (CW)
13 KOPF-20 (IND)
14 KDTV-14 (UNI)
15 Discovery Channel
16 KKPX-65 (ION)
17 KSTS-48 (TLM)
18 KTSF-42 (Esirella)
19 KFSF-66 (TF)
20 C-SPAN
21 QVC
22 KTLN-48 (IND)
23 BERO
24 AUC
25 Local Access Programming
26 Local Programs/Public Access
27 Government Access
28 Public Access
29 WGN
30 Educational Access
31 Stanford Channel
32 Liquidation Channel
33 Leased Access (in some cities)

Limited Basic - Digital Channels\*\* \*

- 17 KCSM-60 (PBS)
21 KEMD Azteca
103 Comcast Hometown Network
108 California Channel
109 C-SPAN 2
111 TV Guide Channel
116 Jewelry TV
172 KCNS Sino
173 KTSF-KBS
174 KTSF-Vie: Today
175 KTSF-ICN
185 KNTV CA NonStop
186 KTVU Universal Sports
188 KTEL-LAV
189 KTEL-Encore & Life
190 KTEL World
191 KTEL-Vie
192 KOLED Kite
193 KGO LiveWell
196 KOFY MeTV
197 KCU KEMS
198 KCSM MHz
199 KCSM JAZZ
200 KRCSB-SQ (PBS)

Starter

- 162 BBC America
164 ShowMe
166 ESPN (VOD)
188 Style
196 Food Network Channel \*
200 E!
201 TBN \*
202 Investigation Discovery
203 Biography Channel
204 RZ
205 GSN Plus/Jewelry TV
206 GSN
207 Hallmark Movie Channel
208 LMN

Preferred

- 107 Current TV
120 Nick Jr
121 The Hub
122 Disney XD
123 Nick Toons
124 Fox Business Network
134 MTV Jams
135 MTV 2
136 Logo
137 Free Channel
138 Nat Geo WILD
141 Game Show Network
163 Oxygen
167 55 World News
180 NFL Network
182 Cooking Channel
184 SoapNet
204 DIY (Do It Yourself)
205 Retirement Living TV
215 TeenNick
216 Nick 1D
220 OWN
222 Discovery Fit and Health
228 810 TV
231 Halligan
234 Daystar TV Network
270 Ovation TV
272 Science!
273 National Geographic
274 The Military Channel
292 Planet Green
297 Africa Channel
332 NK (Korean)
368 NTK (English)
402 ESPNNews
408 Outdoor Channel
412 MLB Network
416 NBA TV
418 CBS Sports Network
419 NHL Network
420 ESPN U
471 CWI Pure Country
472 MTV Hits
473 VH1 Classic
474 Centric
476 FUSE

Preferred Plus

- 534 Starz
536 Starz Edge
537 Starz Encore
538 Starz Encore
539 Starz Kids & Family
540 HBO - East
541 HBO - West
552 Sundance Channel
573 RetroPix
574 RetroPix
575 HBO Family
584 Showtime Family
585 Showtime Women
586 Flx

Preferred

- 477 Nue TV
482 Gospel Music Channel
484 TV One
486 GAC
486 The World
501 TCM
502 WE-Women's Entertainment
503 IFC
505 Sundance Channel
513 RetroPix
514 RetroPix
516 Encore Family
518 Encore
520 Encore Love
522 Encore Mystery
524 Encore Westerns
528 Encore Drama
530 Flx
586 Flx
607 miniz

Premier

- 561 Cinemax - West
562 Cinemax - East
565 MotionMax
566 MotionMax
567 ThrillerMax
576 Showtime
578 Showtime Too
581 The 98 Channel
582 Showtime Extreme
583 Showtime Next
584 Showtime Family
585 Showtime Women
586 Flx

Sports Entertainment

- 277 Crime & Investigation Network
401 Fox Soccer Channel
402 ESPNNews
403 Big TEN
407 ESPN Classics
408 ESPN Channel
409 TUG-Horseshoe Network
411 The 98 Channel
412 MLB Network
413 Fox College Sports Atlantic
414 Fox College Sports Central
415 Fox College Sports Pacific
419 NBA TV
419 NFL Network
418 CBS Sports Network
421 NFL Network
429 NFL RedZone
506 Fox Movie Channel
618 GOLF TV

Premium Services\*

- 534-540 Starz & plexes
550-560 HBO & Plexes
561-567 Cinemax & plexes
576-586 Showtime & plexes
591 The Movie Channel Xtra
593 Playboy en Espanol (Adult)
676 Playboy TV (Adult)

Pay-Per-View

- 421-426 Sports Pay-Per-View
439-449 NBA Pay-Per-View
446-449 MLS Pay-Per-View
455-458 NHL/MLB Pay-Per-View
461-470 NHL/MLB Pay-Per-View
871-873 Pay-Per-View Hits
875-877 Adult-Pay-Per-View

Family Tier\* Requires subscription to Limited Basic and digital converter
Economy Tier\* Requires subscription to Limited Basic and digital converter
Starter Includes Starter and Limited Basic channels
Preferred Includes Preferred, Starter and Limited Basic channels
Preferred Plus Includes Preferred Plus, Preferred, Starter and Limited Basic channels
Premier Includes Premier, Preferred Plus, Preferred, Starter and Limited Basic channels
\* Limited Basic - Digital Channels require a digital converter
\* These packages are available A-la-Carte

\*Limited Code services are required to receive other levels of service. You must subscribe to the specific tier...
\*\* Limited Code services are required to receive other levels of service. You must subscribe to the specific tier...
\*\*\* Limited Code services are required to receive other levels of service. You must subscribe to the specific tier...

## XFINITY TV Channel Lineup



December 2011  
Cupertino  
Mountain View

REDACTED - FOR PUBLIC INSPECTION



### Digital FM Services

- 960 KOED Public
- 961 KRCB Public
- 962 KGSJ Jazz
- 963 KJWJ Spanish
- 964 KREY 92.7 The Revolution
- 965 KRZZ Spanish
- 966 KJZZ Smooth Jazz
- 967 KPFA Variety/Berkeley
- 968 KBAY Adult Contemporary
- 969 KYLD Hip Hop
- 970 KRTY Country
- 971 KBWF SportsRadio 95.7
- 972 KQTT Adult Contemporary
- 973 KLLC Hot AC
- 974 KQSO Urban Contemporary
- 975 KUPA Classic Rock
- 976 KSDL Spanish
- 977 KMQV Moving 99.7
- 978 KZST Adult Contemporary
- 979 KBRG Spanish
- 980 KQIH Hot AC
- 981 KDFC Classical
- 982 KBLX Urban Contemporary
- 983 KKSJ Smooth Jazz
- 984 KTOG Album Alternative
- 985 KMHX The New Mix
- 986 KITS Alternative
- 987 KMEL Hip Hop
- 988 KEZR Hot AC
- 989 KSAN Classic Rock

### Music Choice®

- 901 Hit List
- 902 Hip-Hop and R&B
- 903 MC Mixtape
- 904 Dance/Electronic
- 905 Rap
- 906 Hip-Hop Classics
- 907 Throwback Jamz
- 908 R&B Classics
- 909 R&B Soul
- 910 Gospel
- 911 Reggae
- 912 Classic Rock
- 913 Retro Rock
- 914 Rock
- 915 Metal
- 916 Alternative
- 917 Classic Alternative
- 918 Adult Alternative
- 919 Soft Rock
- 920 Pop Hits
- 921 90's
- 922 80's
- 923 70's
- 924 Solid Gold Oldies
- 925 Party Favorites
- 926 Stage & Screen
- 927 Kidz Only!
- 928 Toddler Tunes
- 929 Today's Country
- 930 True Country
- 931 Classic Country
- 932 Contemporary Christian
- 933 Sounds of the Season
- 934 Soundscapes
- 935 Smooth Jazz
- 936 Blues
- 937 Singers & Swing
- 938 Easy Listening
- 939 Classical Masterpieces
- 940 Light Classical
- 941 Musica Urbana
- 942 Pop Latino
- 943 Tropical
- 944 Mexican
- 945 Romances

### High-Definition

- 787 msnbc HD
- 788 Hallmark HD
- 789 Hallmark Channel HD
- 790 Lifetime HD
- 791 Lifetime 2 HD
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### High-Definition

- 787 msnbc HD
- 788 Hallmark HD
- 789 Hallmark Channel HD
- 790 Lifetime HD
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### International<sup>2</sup>

- International Premium Networks are individually priced. See Pricing card for details.
- 305 TV Globo (Brazilian)
- 306 PFC (Brazilian)
- 307 Band Internacional (Brazilian)
- 310 RTP (Portuguese)
- 312 Antenna Satellite (Greek)
- 315 Deutsche Welle (German)
- 317 RTM (Italian)
- 319 Rai Italia (Italian)
- 324 RTM (Russian)
- 325 Channel One Russia (Russian)
- 330 TV Japan (Japanese)
- 331 SBSN (Vietnamese)
- 336 Zee TV (South Asian)
- 337 TV Asia (South Asian)
- 338 SET Asia (SUNY) (South Asian)
- 339 NEO Cricket (South Asian)
- 340 STAR India PLUS (South Asian)
- 341 STAR India NEWS (South Asian)
- 342 STAR ONE (South Asian)
- 343 STAR India GOLD (South Asian)
- 349 MJAY (South Asian/Tamil)
- 354 CTI-Zhong Tian Channel (Chinese/Mandarin)
- 355 WAPA America (Chinese/Mandarin)
- 356 Phoenix Into News (Chinese/Mandarin)
- 357 Phoenix North America (Chinese/Mandarin)
- 358 ETV-Super Channel (Chinese/Mandarin)
- 360 TVB Jade (Chinese/Cantonese)
- 367 The Filipino Channel (Filipino)
- 389 GMA Pinoy TV (Filipino)
- 370 GMA Life TV (Filipino)

### MultLatino

- 67 Galavisión
- 600 VideoMovies - East
- 601 Discovery en Español
- 602 FOX Deportes
- 603 Canal 52MX
- 604 Cinelatio
- 605 History en Español
- 606 mun2
- 608 CNN en Español
- 609 Disney XD
- 610 Cine Mexicano
- 611 Video Rola
- 612 CB TV Michoacan
- 613 Mexico 22
- 614 Once TV
- 615 SUR
- 616 Infitto
- 617 TeleFormula
- 618 Gol TV
- 619 ESPN Deportes
- 620 KEMO Azteca
- 621 KQED Vme
- 622 KTYU LATV
- 626 Discovery Familia
- 628 Ecuavisa
- 629 TVE
- 630 WAPA America
- 631 Mexicana
- 632 Multimedios
- 633 Caracol TV
- 634 TV Colombia
- 636 Nuevo TV
- 637 TV Chile
- 640 VideoMovies - West
- 644 SUR Peru
- 645 Latele Novela
- 646 Uhlissima
- 647 Telele
- 649 TV Dominicana
- 650 TV Venezuela
- 652 HTV Musica
- 653 Telehit
- 654 Ritmoson Latino
- 656 Bandamax
- 658 TBN Enlace
- 659 EWTN español
- 660 La Familia Cosmovisión
- 664 Gran Cine
- 664 De Pelicula
- 665 De Pelicula Clasico
- 671 HTN

The Starter Package is required to view these channels  
 The Preferred Package is required to view these channels  
 The Sports & Entertainment Package is required to view these channels  
 You must subscribe to the individual premium service and a Digital Converter or a Digital Package that includes the premium service in order to receive the multiplex version of the same channel



**EXHIBIT 3**

# AT&T U-verse Channel Lineup

ZIP code: 94024 Change | As of: March 28, 2012

Show only:

Print

Search by channel names

Compare Packages

U450

U300

**U200**

U-family

U-basic

Ex.: CNN, Cartoon, ESPN [?](#) Reset

Clear comparisons

## U200 TV Package \$72/mo.

View premium add-on channels [?](#)

### Compare TV Packages

Create your own side-by-side comparison.

Select to Compare

Clear filters

### Filter by Category

Favorites [?](#)

HD

Movies

Sports

News

Local

Educational

### Filter by Premium Package

Movie Pkgs.

Sports Pkgs.

International Pkgs.

up to 270 channels

Sort by: Channel Name | Channel #

KTVU-2 (FOX)	2	KNTV-11 (NBC)	3	KRON-4 (MY NETWORK TV)	4
KPIX-5 (CBS)	5	KICU-36 (IND)	6	KGO-7 (ABC)	7
KTSF-26 (IND)	8	KQED-9 (PBS)	9	Home Shopping Network (HSN)	10
KDTV-14 (UNI)	13	QVC	14	KFSF-66 (TF)	19
KOFY-20 (IND)	20	KRCB-22 (PBS)	22	KTLN-68 (Total Living Network)	25
KMTP-32 (IND)	32	As Seen On TV	37	KCNS-38 (Ind)	38
KTNC-42 (Estrella)	42	KCSM-43 (PBS)	43	KBCW-44 (THE CW)	44
KSTS-48 (TEL)	48	KQEH-54 (PBS)	54	KKPX-65 (ION)	65
Valu TV	82	AT&T U-verse Shopping 1	84	U-verse Message Channel	93
AT&T U-verse Front Row	100	TNT (Turner Network Television)	108	TNT (Turner Network Television) - West	109
TBS	112	TBS - West	113	Discovery Channel - West	121
USA Network - West	125	FX Network - West	129	A&E - West	132
E! Entertainment Television - West	135	TV Land - West	139	Comedy Central - West	141
Spike TV - West	146	G4	149	Syfy - West	152
Chiller	153	BET (Black Entertainment Television) - West	156	TV One	157
cloo	161	Crime & Investigation Network	163	truTV	164
truTV - West	165	OWN - Oprah Winfrey Network - West	170	GSN - Game Show Network	173
ABC Family Channel - West	179	WGN America	180	Bravo - West	182
LOGO - West	184	BBC America	188	mun2 - West	193
nuvoTV	194	COMPRA	196	Jewelry Television	197
AT&T U-verse Shopping 4	198	AT&T U-verse Movies	200	CNN (Cable News Network)	202
CNN Headline News	203	FOX News Channel	210	Fox Business Network	211
MSNBC	215	CNBC	216	Bloomberg Television	222
The Weather Channel	225	BUY TV	228	C-SPAN	230
C-SPAN2	231	C-SPAN3	232	ABC News Now	243
BuyIt2	247	TLC-West	251	Animal Planet - West	253
Travel Channel - West	255	History - West	256	H2	257
Science	258	Military Channel	259	National Geographic Channel	265
Nat Geo WILD	266	BIO	272	Military History Channel	276
Disney Channel - West	303	Disney XD - West	305	Nickelodeon - West	315
Nick2	316	Nicktoons	318	Nick Jr.	320
TeenNick	322	Cartoon Network	325	Cartoon Network - West	326
Boomerang	327	The Hub	335	Smile of a Child TV	340
Lifetime Television - West	361	LMN	362	SOAPnet - West	366

tvMall	367	Oxygen	368	WE-West	373
Style Network	380	AT&T U-verse Shopping 3	399	Customer Notification	400
QVC	420	Home Shopping Network (HSN)	422	ShopNBC	424
Jewelry Television	428	AT&T U-verse Shopping 4	429	Home & Garden Television (HGTV) - West	451
Food Network - West	453	DIY Network (Do-It-Yourself Network)	454	Cooking Channel	456
Wealth TV	470	tvMall	471	SWRV	501
MTV (Music Television) - West	503	MTV2 - West	505	MTV Hits	509
VH1 - West	519	VH1 Classic - West	521	CMT (Country Music Television) - West	526
Great American Country (GAC)	529	fuse	535	FUEL TV	536
TBN - Trinity Broadcasting Network	560	Eternal Word Television Network (EWTN)	562	Daystar	563
INSP (Inspiration Network)	564	The Church Channel	565	FamilyNet	566
BYU	567	JCTV	570	The Word Network	575
World Harvest Television	578	FAITH	580	AT&T U-verse Sports	600
ESPN	602	ESPN Classic	603	ESPNEWS	604
ESPNU	605	ESPN2	606	ESPN	613
Amen Corner Live	614	15th & 16th Live	615	Featured Group 1	616
Featured Group 2	617	Masters In-Depth	618	NFL Network	630
NBC Sports Network	640	Golf Channel	641	BTN	650
Speed Channel	652	Fox Soccer	654	Sports Alternate 1	691
Sports Alternate 2	692	Sports Alternate 3	693	Sports Alternate 4	694
Sports Alternate 5	695	Sports Alternate 6	696	Sports Alternate 7	697
Sports Alternate 8	698	Comcast SportsNet California	767	Comcast SportsNet California Alternate	768
Comcast SportsNet Bay Area	770	Comcast SportsNet Bay Area Plus	771	WGN America	781
Baseball 1	783	Turner Classic Movies (TCM)	790	AMC - West	796
IFC	797	Sundance Channel	798	U-verse Showcase	800
AT&T U-verse Movies	945	AT&T U-verse Movies	960	Customer Notification	962
AT&T U-verse Sports	963	U-verse Showcase	964	Customer Notification	1100
AT&T U-verse Movies	1200	Jewelry Television	1428	AT&T U-verse Sports	1600
U-verse Showcase	1800	Customer Notification	2500	KDTV-14 (UNI)	3002
Galavision - West	3004	KFSF-66 (TF)	3005	KSTS-48 (TEL)	3007
mun2 - West	3010	COMPRA	3014	EWTN Espanol	3077
Golden Boy Presenta	3312	CCTV-9	3602	SWRV	5100
MC Hit List	5101	MC Hip-Hop and R&B	5102	MC MixTape	5103
MC Dance-Electonica	5104	MC Rap	5105	MC Hip-Hop Classics	5106
MC Throwback Jamz	5107	MC R&B Classics	5108	MC R&B Soul	5109
MC Gospel	5110	MC Reggae	5111	MC Classic Rock	5112
MC Retro Rock	5113	MC Rock	5114	MC Metal	5115
MC Alternative	5116	MC Classic Alternative	5117	MC Adult Alternative	5118
MC Soft Rock	5119	MC Pop Hits	5120	MC 90s	5121
MC 80s	5122	MC 70s	5123	MC Solid Gold Oldies	5124
MC Party Favorites	5125	MC Stage & Screen	5126	MC Kidz Only!	5127
MC Toddler Tunes	5128	MC Todays Country	5129	MC True Country	5130
MC Classic Country	5131	MC Contemporary Christian	5132	MC Sounds of the Seasons	5133

**REDACTED - FOR PUBLIC INSPECTION**

MC Soundscapes	5134	MC Smooth Jazz	5135	MC Jazz	5136
MC Blues	5137	MC Singers & Swing	5138	MC Easy Listening	5139
MC Classical Masterpieces	5140	MC Light Classical	5141	MC Musica Urbana	5142
MC Pop Latino	5143	MC Tropicales	5144	MC Mexicana	5145
MC Romances	5146	Live Multiview Alternate 1	9211	Live Multiview Alternate 2	9212
Live Multiview Alternate 3	9213	Live Multiview Alternate 4	9214	Live Multiview Alternate 5	9215

Live Multiview Alternate 6 9216 U-verse Message Channel 9920

**Premium Add-on Channels**

[Back to top](#)

Cinemax On Demand HD	0	HBO On Demand HD	0	Cinemax On Demand	0
TMC On Demand	0	HBO On Demand	0	AT&T U-verse Buzz	300
qubo	328	Tr3s - West	507	Sportsman Channel	642
CBS Sports Network	643	Fox College Sports - Atlantic	647	Fox College Sports - Central	648
Fox College Sports - Pacific	649	FOX Deportes	655	GolTV	656
The Tennis Channel	660	TVG Network	670	HRTV	672
Outdoor Channel	680	YES Network	702	SportsNet New York	704
SportsTime Ohio	735	HBO (Home Box Office)	802	HBO (Home Box Office) - West	803
HBO2	804	HBO2 - West	805	HBO Family	806
HBO Family - West	807	HBO Signature	808	HBO Signature - West	809
HBO Comedy	810	HBO Comedy - West	811	HBO Zone	812
HBO Zone - West	813	HBO Latino	814	HBO Latino - West	815
Cinemax	832	Cinemax - West	833	MoreMAX	834
MoreMAX - West	835	ActionMAX	836	ActionMAX - West	837
ThrillerMAX	838	ThrillerMAX - West	839	5StarMAX	840
WMAX	842	OuterMAX	844	ATMAX	846
Showtime	852	Showtime - West	853	Showtime Too	854
Showtime Too - West	855	Showtime Showcase	856	Showtime Showcase - West	857
Showtime Extreme	858	Showtime Extreme - West	859	Showtime Beyond	860
Showtime Family Zone	862	Showtime Next	864	Showtime Women	866
The Movie Channel (TMC)	882	The Movie Channel (TMC) - West	883	TMC Xtra	884
FLIX	890	Starz	902	TMC Xtra - West	885
Starz Edge	904	Starz inBlack	906	Starz - West	903
Starz Comedy	910	Starz Kids & Family	912	Starz Cinema	908
RetroPlex	916	Encore	932	IndiePlex	914
Encore Love	934	Encore Suspense	936	Encore - West	933
Encore Westerns	940	Encore Drama	942	Encore Action	938
Encore Family	944	AT&T U-verse Buzz	961	Encore Espanol	943
KTVU-HD-2 (FOX)	1002	KNTV-HD-11 (NBC)	1003	AT&T U-verse Buzz	1000
KPIX-HD-5 (CBS)	1005	KICU-HD-36 (IND)	1006	KRON-HD-4 (MY NETWORK TV)	1004
KQED-HD-9 (PBS)	1009	HSN HD	1010	KGO-HD-7 (ABC)	1007
QVC HD	1014	KFSF-HD-66 (TF)	1019	KDTV-HD-14 (UNI)	1013
KRCB-HD-22 (PBS)	1022	KCSM-HD-43 (PBS)	1043	KOFY-HD-20 (IND)	1020
KSTS-HD-48 (TEL)	1048	KKPX-HD-65 (ION)	1065	KBCW-HD-44 (THE CW)	1044
Universal HD	1104	HDNet	1105	Velocity HD	1102
TNT HD	1108	TNT HD - West	1109	HDNet Movies	1106
TBS HD - West	1113	MGM HD	1116	TBS HD	1112
Discovery Channel HD	1120	USA Network HD	1124	Smithsonian Channel HD	1118
A&E HD	1132	E! Entertainment HD	1134	FX Network HD - West	1129
Comedy Central - West HD	1141	Spike TV - West HD	1146	TV Land HD - West	1139
Syfy HD	1151	BET (Black Entertainment Television) HD	1155	G4 HD	1149
truTV HD	1164	OWN - Oprah Winfrey Network HD	1170	TV One HD	1157
WGN America HD	1180	Bravo HD	1181	Crime & Investigation HD	1163
CNN Headline News HD	1203	Fox News Channel HD	1210	ABC Family Channel HD - West	1179
msnbc HD	1215	CNBC HD	1216	CNN HD	1202
TLC HD	1250	Animal Planet HD	1252	Fox Business Network HD	1211
History HD	1256	H2 HD	1257	The Weather Channel HD	1225
				Travel Channel HD	1254
				Science HD	1258

EXHIBIT 4

**REDACTED**



**Derek Dickinson**  
General Attorney

AT&T Services, Inc.  
Whitacre Tower  
208 S. Akard Street, Rm 2916  
Dallas, TX 75202

T: 214.757.3369  
F: 214.746.2212  
derek.dickinson@att.com

January 23, 2012

Brian Hurh  
Davis Wright Tremaine LLP  
1919 Pennsylvania Ave., NW  
Suite 800  
Washington, DC 20006-3402  
(fax) 202-973-4499  
brianhurh@dwt.com

**Re: Comcast Request for AT&T Data for Effective Competition Filing**

Dear Mr. Hurh:

This letter is in response to your January 13, 2012, request on behalf of Comcast Cable Communications, L.L.C. ("Comcast") for information from AT&T under Section 76.907(c) of the FCC's rules, in particular, to demonstrate "effective competition" for certain communities in the state of California.

As we discussed previously, AT&T is providing this information to you and your law firm ("DWT") as outside counsel representing Comcast with the understanding that, if any communities qualify for effective competition using the AT&T subscriber figures, DWT will disclose the total competing provider subscriber count to Comcast (that is, AT&T data plus data available from other providers, such as DBS providers), such that Comcast will not be able to determine AT&T's subscriber counts. Moreover, you have indicated that if a petition for effective competition is filed with the FCC, DWT will submit AT&T's subscriber figures confidentially.

With that understanding, here is the data:

REDACTED

January 23, 2012  
Brian Hurh Letter  
Page 4 of 7

Mountain View  
AT&T U-verse TV subscribers:

Palo Alto  
AT&T U-verse TV subscribers:

**REDACTED**

January 23, 2012  
Brian Hurh Letter  
Page 7 of 7

Just to be clear, the subscriber counts above are as of December 31, 2011.

Please feel free to call me at 214-7575-3369 (office) or 210-508-4247 (mobile)  
if you have any questions.

Very truly yours,

A handwritten signature in cursive script that reads "Derek Dickinson".

Derek Dickinson

REDACTED

**EXHIBIT 5**



Jan 12, 2012

Davis Wright Tremaine LLP  
1919 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, DC 20006

To Whom It May Concern:

Media Business Corporation ("MediaBiz") utilizes a multi-step process to accurately identify cable client franchise areas and associated ZIP and ZIP+4 Codes. (A ZIP+4 Code includes the five digits of the United States Postal Service ZIP Code, a hyphen, and four more digits that determine a more precise location than the ZIP Code.)

MediaBiz developed this methodology to address the potential shortcomings in utilizing 5-digit ZIP Code data for "Effective Competition" petitions. This basic methodology has been in place for several years and has been used successfully in many Effective Competition cases at the FCC.

Because ZIP Codes and municipal boundaries are created and managed by different government authorities, the boundaries of ZIP Codes and municipal boundaries often overlap. ZIP Codes frequently span between and beyond municipal boundaries. ZIP+4 Codes, however, usually reside in one and only one municipality. MediaBiz uses Place, Minor Civil Division (MCD), and County boundaries from Dynamap®, a division of Pitney Bowes Business Insight, to determine municipal boundaries. MediaBiz uses the Dynamap® ZIP+4 Centroids database, which contains ZIP+4 centroid correspondence for virtually all deliverable ZIP+4s, to identify ZIP+4 Codes within municipal boundaries, among the over 60 million ZIP+4s in all 50 states, DC, and Puerto Rico, based on current data from the USPS and the U.S. Bureau of the Census, and the Tele Atlas master street database.

MediaBiz then utilizes its ZIP+4 Code mapping to enable our clients to obtain proper "Direct-to-Home" (DTH) subscriber counts for their respective franchise areas by tracking DTH subscribers at the ZIP+4 Code level. (Where MediaBiz determines that a ZIP Code falls entirely within a franchise area, however, it is unnecessary to identify DTH subscribers at the ZIP+4 Code level for that 5-digit ZIP Code. In these instances, MediaBiz identifies such 5-digit ZIP Codes and, accordingly, DTH subscribers are identified by the 5-digit ZIP Code only.)

Only ZIP+4 Codes that meet specific criteria are included in this report. The following criteria must be met:

- The centroid of the ZIP+4 Code is within the franchise area; and
- The USPS ZIP+4 Record Type (from Dynamap® ZIP+4 Centroids) is either H - high-rise or S - street

Our methodology has been used by many multiple system operators (MSOs) as part of their Effective Competition relief efforts, and we believe this methodology produces the most accurate and detailed view of ZIP+4 data as it relates to cable franchise areas.

  
Robert Lehmann  
President

MediaBiz

**EXHIBIT 6**

**REDACTED**



Provided by  
Satellite Broadcasting and Communications Association

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Pursuant to Section 76.907(c) of the FCC Rules, and your effective competition tracking request dated September 22, 2011 please find the following Direct-to-Home (DTH) satellite subscriber numbers per zip code (and/or zip+4 where necessary). The provision and use of this Effective Competition Tracking Report is governed by and subject to the terms and conditions of the Agreement for Provision and Use of Confidential Data, between your company and SBCA.

Report Date: October 19, 2011

ZIP Codes

DTH Count

Requested total for Mountain View, CA

---

Data is current through 8/31/2011

Report Prepared by:  
Martin Esteves  
Manager, Membership and Data Management  
202-349-3630  
mesteves@sbca.org

Methodology: Direct-To-Home (DTH) subscriber data reflects aggregated DIRECTV and DISH Network residential subscriber totals. The following data collection procedures are applied by Members in the normal course of business: a) single accounts with multiple receivers are only counted once; b) commercial and test accounts are not included; c) each occupied unit served in a multiple dwelling unit building has been counted as a separate residential subscriber; d) zip codes are taken from service locations (not billing addresses, where different); e) inactive accounts are routinely removed; f) invalid (undeliverable) addresses have been corrected where known; g) courtesy or complimentary accounts are included; and h) zip code information for Members' subscribers is periodically updated to reflect changes to zip codes by the United States Postal Service.

---

; oldest data from 2011-08-31

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Total

**ECTR – Effective Competition Tracking Report**



Provided by  
Satellite Broadcasting and Communications Association

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Pursuant to Section 76.907(c) of the FCC Rules, and your effective competition tracking request dated September 22, 2011 please find the following Direct-to-Home (DTH) satellite subscriber numbers per zip code (and/or zip+4 where necessary). The provision and use of this Effective Competition Tracking Report is governed by and subject to the terms and conditions of the Agreement for Provision and Use of Confidential Data, between your company and SBCA.

Report Date: October 19, 2011

ZIP Codes

DTH Count

Requested total for Palo Alto, CA

Data is current through 8/31/2011

Report Prepared by:  
Martin Esteves  
Manager, Membership and Data Management  
202-349-3630  
mesteves@sbca.org

Methodology: Direct-To-Home (DTH) subscriber data reflects aggregated DIRECTV and DISH Network residential subscriber totals. The following data collection procedures are applied by Members in the normal course of business: a) single accounts with multiple receivers are only counted once; b) commercial and test accounts are not included; c) each occupied unit served in a multiple dwelling unit building has been counted as a separate residential subscriber; d) zip codes are taken from service locations (not billing addresses, where different); e) inactive accounts are routinely removed; f) invalid (undeliverable) addresses have been corrected where known; g) courtesy or complimentary accounts are included; and h) zip code information for Members’ subscribers is periodically updated to reflect changes to zip codes by the United States Postal Service.

**ECTR – Effective Competition Tracking Report**



Provided by  
 Satellite Broadcasting and Communications Association

Pursuant to Section 76.907(c) of the FCC Rules, and your effective competition tracking request dated September 22, 2011 please find the following Direct-to-Home (DTH) satellite subscriber numbers per zip code (and/or zip+4 where necessary). The provision and use of this Effective Competition Tracking Report is governed by and subject to the terms and conditions of the Agreement for Provision and Use of Confidential Data, between your company and SBCA.

Report Date: October 19, 2011

ZIP Codes

DTH Count

Requested total for Palo Alto, CA
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Data is current through 8/31/2011

Report Prepared by:  
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 202-349-3630  
 mesteves@sbca.org

Methodology: Direct-To-Home (DTH) subscriber data reflects aggregated DIRECTV and DISH Network residential subscriber totals. The following data collection procedures are applied by Members in the normal course of business: a) single accounts with multiple receivers are only counted once; b) commercial and test accounts are not included; c) each occupied unit served in a multiple dwelling unit building has been counted as a separate residential subscriber; d) zip codes are taken from service locations (not billing addresses, where different); e) inactive accounts are routinely removed; f) invalid (undeliverable) addresses have been corrected where known; g) courtesy or complimentary accounts are included; and h) zip code information for Members’ subscribers is periodically updated to reflect changes to zip codes by the United States Postal Service.

; oldest data from 2011-08-31

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Total

**EXHIBIT 7**

## U.S. Census Bureau



H1

**OCCUPANCY STATUS**

Universe: Housing units

2010 Census Redistricting Data (Public Law 94-171) Summary File

NOTE: For information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/pl94-171.pdf>

NOTE: Change to the California, Connecticut, Mississippi, New Hampshire, Virginia, and Washington P. L. 94-171 Summary Files as delivered.

Mountain View city, California	
Total:	33,881
Occupied	31,957
Vacant	1,924

Source: U.S. Census Bureau, 2010 Census.

## U.S. Census Bureau



H1

**OCCUPANCY STATUS**

Universe: Housing units

2010 Census Redistricting Data (Public Law 94-171) Summary File

NOTE: For information on confidentiality protection, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2010/pl94-171.pdf>

NOTE: Change to the California, Connecticut, Mississippi, New Hampshire, Virginia, and Washington P. L. 94-171 Summary Files as delivered.

	Palo Alto city, California
Total:	28,216
Occupied	26,493
Vacant	1,723

Source: U.S. Census Bureau, 2010 Census.

**REDACTED - FOR PUBLIC INSPECTION**

	A	B	C	D	E	F
			Total DBS Subscribers	AT&T Subscribers	2010 Census Occupied Housing Units	% of DBS Penetration In Franchise Area Column C + Column D/ Column E
1	Community	State				
2	MOUNTAIN VIEW	CA			31,957	21.26%
3	PALO ALTO	CA			26,493	21.68%

**CERTIFICATE OF SERVICE**

I, Deborah D. Williams, do hereby certify on this 11<sup>th</sup> day of April, 2012 that a true and correct copy of the foregoing "Petition for Special Relief" has been sent via U.S. mail, postage prepaid to the following:

Ms. Kimberly Thomas  
Assistant City Manger  
City of Mountain View  
PO Box 7540  
500 Castro Street  
Mountain View, CA 94039-7540

Ms. Melissa Cavallo  
Cable Franchise Administrator  
City of Palo Alto  
250 Hamilton Avenue  
Palo Alto, CA 94301

  
Deborah D. Williams